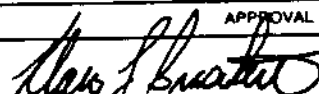


NEW ENGLAND ELECTRIC SYSTEM companies		GUIDELINE NUMBER	
SAFETY EQUIPMENT, SUPPLIES AND TOOL GUIDE		ISSUE DATE	
ITEM Accident Prevention Signs [Vaults, Stations, Wood and Metal Structures & Poles]		GN 100,033	
MFR/VENDOR		MFR NUMBER	STORES CODE NO.
- Eastern Metal, Elmira, NY		See Distribution Construction	Standard 0105
- UTICOM of Maryland			
DESCRIPTION/DEPICTION			
<p>1. <u>Scope</u> - This guideline covers reflective high intensity accident prevention signs and company name decals applied thereon, to be used on poles, towers, structures, fences, gates, doors, and walls in accordance with practices set forth in Distribution Construction Standard 0105.</p> <p>2. <u>General</u> - Signs shall at a minimum, conform to OSHA Guidelines 1910.145 and 1926.200, latest revision and the proposed ANSI Z535 Standards.</p> <p>3. <u>Materials</u> -</p> <p>3.1 <u>Reflective Sign and Company Name Decal Sheeting</u> - Shall consist of high intensity grade, durable, retroreflective, silver sheeting, 3M part number 3870, or equivalent, coated with a pressure sensitive adhesive, protected with a backslit easy release liner. Total thickness of sign sheet, adhesive and liner to be no less than .011 inch. Liner to be easily removable without soaking, without tearing, and without removing adhesive from aluminum backing. Pressure sensitive adhesive on reflective sheeting shall adhere by pressing it in contact with a clean, dry surface. It shall form a durable bond to clean well-painted surfaces, or unpainted corrosion-proof metals. Adhesive must be mildew resistant. A sheet one-inch wide by four inches long of pressure sensitive material shall become adhered by pressing one square inch of one end to a clean, dry painted or corrosion-proof metal sufficiently enough to support a 50-ounce weight attached to the other end.</p> <p>3.2 <u>Rigid Aluminum Base</u> - Shall consist of smooth cut from 5052-H38 alloy, .063 inch thickness, .87 pounds per square foot.</p> <p>3.3 <u>Flexible Aluminum Base</u> - Shall consist of smooth cut from 3003 soft aluminum, .02 inch thickness.</p> <p>4. <u>Dimensions</u> -</p> <p>4.1 All reflective sign sheets and aluminum base plates shall be 8-inches high by 18-inches wide. Reflective company name decals shall be one-inch high by 7-inches wide.</p>			
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<p>5. <u>Letter</u> -</p> <p>5.1 Size and type, all should be in accordance with the proposed ANSI Z535 Standard.</p> <p>6. <u>Colors and Ink</u> - Reflective sheeting color shall conform to the following table:</p> <table border="1" style="margin: 10px auto; width: 60%; border-collapse: collapse;"> <tr> <th colspan="3" style="text-align: center; padding: 5px;">REFLECTIVITY</th> </tr> <tr> <th style="text-align: center; padding: 5px;">Observation Angle</th> <th style="text-align: center; padding: 5px;">Entrance Angle</th> <th style="text-align: center; padding: 5px;">Candelas Per Ft. Candle Per Sq. Ft. Silver</th> </tr> <tr> <td style="text-align: center; padding: 5px;">0.2</td> <td style="text-align: center; padding: 5px;">-4</td> <td style="text-align: center; padding: 5px;">250</td> </tr> <tr> <td style="text-align: center; padding: 5px;">0.2</td> <td style="text-align: center; padding: 5px;">+30</td> <td style="text-align: center; padding: 5px;">150</td> </tr> <tr> <td style="text-align: center; padding: 5px;">0.5</td> <td style="text-align: center; padding: 5px;">-4</td> <td style="text-align: center; padding: 5px;">95</td> </tr> <tr> <td style="text-align: center; padding: 5px;">0.5</td> <td style="text-align: center; padding: 5px;">+30</td> <td style="text-align: center; padding: 5px;">65</td> </tr> </table> <p>Reflective materials to conform to Federal Highway Color Charts or the color requirement of Federal Specification L-S-300C. Ink colors shall be opaque glossy as specified in the proposed ANSI Z535.1 Standard. Ink shall be of the 3M quality and shall be a minimum of .0007 inches thickness. Ink shall contain ultraviolet inhibitors and be designed for compatibility with the reflective sheeting.</p> <p>7. <u>Properties</u> -</p> <p>Signs shall be suitable for indoor and outdoor northern New England environment. They shall be weather resistant to sunlight, rain, snow, hail, ice and wind, and suitable for use over a temperature range of -40°F to +160°F. They shall not fade from sunlight ultraviolet exposure, nor shall they crack, blister or show appreciable dimension change due to same. They shall resist humidity, resist petroleum solvents, greases and most chemicals, be self-extinguishing, be rustproof, and resist abrasion. They also shall be shatterproof and remain stable when subjected to impact or gunshot.</p>				REFLECTIVITY			Observation Angle	Entrance Angle	Candelas Per Ft. Candle Per Sq. Ft. Silver	0.2	-4	250	0.2	+30	150	0.5	-4	95	0.5	+30	65
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<p>8. <u>Appearance</u> - Rigid and flexible signs, complete with reflective sheets applied by the manufacturer, shall be free of sharp edges, splinters or other sharp projections and shall have slightly rounded corners. Printing shall have distinct edges. Six-3/16-inch holes shall also be provided for mounting both rigid and flexible signs. Six 1/4-inch holes as shown shall be provided for mounting both rigid and flexible aluminum backed signs unless otherwise specified.</p> <p>9. <u>Manufacturers Identification</u> - All signs shall be identified with manufacturers' name and date and date of manufacture in the lower right-hand corner, such that mounting holes and standard fasteners will not obscure it.</p> <p>10. <u>Guarantee</u> -</p> <p>10.1 Seller warrants to the Purchaser, New England Electric Companies, that material is free of defects and complies with all requirements of this specification.</p> <p>10.2 All exterior grade signs supplied under this specification shall be guaranteed for 10 years, in writing, against face, chip, peel or any type of weathering. Signs not meeting this requirement will be replaced at no cost to the companies including shipping to the Stores facility at any New England Electric Companies locations.</p> <p>10.3 Signs will be considered unsatisfactory if deteriorated due to natural causes to the extent that the sign is ineffective for its intended purpose.</p> <p>11. <u>Packaging for Shipping</u> - All signs to be packaged in bundles with protective sheeting separating each sign.</p>			
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